

AGS/Poker TOTS Schedule for March/April '98

Support to 6 Satellites assuming a two tier priority scheme after LEOP

| Assuming all support in Polar Region must use TOTS | | | | | | |
|--|-------|---------|------|--------|--------|----------------|
| FAST | TRACE | TOMS-EP | SNOE | Sampex | IRS-1D | |
| 10.8 | 10.2 | 10.1 | 10.2 | 10.1 | 9.9 | Visible at AGS |
| all | 6.0 | all | 1.0 | 1.0 | 6.0 | Requirement |
| 6.4 | 6.7 | 6.7 | 2.0 | 1.7 | 2.3 | Daily supports |
| 59% | 111% | 66% | 200% | 170% | 39% | %of required |
| 59% | 61% | 66% | 19% | 17% | 23% | %of visible |

| Assuming AGS 11 mtr. available for 1 shift | | | | | | |
|--|-------|---------|------|--------|--------|----------------|
| FAST | TRACE | TOMS-EP | SNOE | Sampex | IRS-1D | |
| 7.7 | 8.2 | 7.9 | 2.1 | 2.0 | 4.1 | Daily supports |
| 71% | 130% | 72% | 210% | 200% | 68% | % of required |
| 71% | 76% | 72% | 21% | 20% | 41% | % of visible |

| time frame: TBD | | | | | | |
|---|-------|---------|------|--------|--------|----------------|
| Assuming AGS 11 mtr. available continuously.* | | | | | | |
| FAST | TRACE | TOMS-EP | SNOE | Sampex | IRS-1D | |
| 10.0 | 9.7 | 9.7 | 2.6 | 2.4 | 6.9 | Daily supports |
| 93% | 161% | 96% | 260% | 240% | 115% | % of required |
| 93% | 95% | 96% | 26% | 24% | 67% | % of visible |

Notes and assumptions.

Analysis shows estimate for potential unconflicted support.

The analysis is based upon one month of satellite propagation.

GN operational concerns not necessarily modeled except for nominal 10 minute turnaround.

All supports (incl. FAST) assumed to be AOS to LOS (above 5 degree mask).

Scheduling algorithm defines only two priority levels.

This algorithm is not the same used for operational Scheduling of missions.

eg. TRACE is over scheduled above for normal support operations.

This analysis refers only to the AGS site.

Support for most of these mission will also be garnered at WGS, SGS and MGS.

Thus, unmet requirements may be replaced by supports at other site.

Please, refer to composite Loading Analysis for final assessment.

This analysis assumes all Satellites can be supported in unattended mode on TOTS.

* To make same assumption for the 11 mtr. may require the installation of the automation software.